

ADDENDUM TO THE RICE COUNTY HIGHLY ERODIBLE LAND CLASSIFICATION DUE TO AN UPDATED SOIL SURVEY
 JANUARY 18, 2000

RICE COUNTY
 HELC FOR SOIL SURVEY UPDATE LEGEND
 USLE DATA WAS USED WITH
 R = 140 C = .10

UNIT SYMBOL	MAP UNIT NAME	T	K	I	SLOPE PERCENT	SLOPE LENGTH	LS	EI	HELC
4D	RENOVA LOAM, 12 TO 18 PERCENT	5	0.32	48	14	100	2.294	20.55	HEL
4E	RENOVA LOAM, 18 TO 30 PERCENT	5	0.32	48	25	100	5.890	52.77	HEL
17	MINNEOPA SANDY LOAM, 0 TO 2 PERCENT, RARE FL.	5	0.2	86	1	250	0.170	0.95	NHEL
24	KASSON SILT LOAM, 1 TO 3 PERCENT	5	0.32	56	2	200	0.247	2.21	NHEL
39A	WADENA LOAM, 0 TO 2 PERCENT	4	0.28	48	1	200	0.159	1.56	NHEL
41A	ESTHERVILLE SANDY LOAM, 0 TO 2 PERCENT	3	0.2	86	1	250	0.170	1.58	NHEL
41B	ESTHERVILLE SANDY LOAM, 2 TO 6 PERCENT	3	0.2	86	4	150	0.470	4.39	PHEL**
44	ANKENY SANDY LOAM, 0 TO 3 PERCENT	5	0.2	86	1	250	0.170	0.95	NHEL
74B	DICKINSON FINE SANDY LOAM, 1 TO 6 PERCENT	4	0.2	86	3	100	0.287	2.01	NHEL
81B	BOONE LOAMY FINE SAND, 1 TO 6 PERCENT	4	0.17	134	4	130	0.444	2.64	NHEL
81D	BOONE LOAMY FINE SAND, 6 TO 18 PERCENT	4	0.17	134	12	125	2.017	12.00	HEL
81E	BOONE LOAMY FINE SAND, 18 TO 25 PERCENT	4	0.17	134	22	100	4.770	28.38	HEL
98	COLO SILTY CLAY LOAM, 0 TO 2 PERCENT, OCC. FL.	5	0.28	38	1	300	0.179	1.41	NHEL
99D2	RACINE LOAM, 12 TO 18 PERCENT, ERODED	5	0.28	48	14	100	2.294	17.99	HEL
100A	COPASTON SANDY CLAY LOAM, 0 TO 2 PERCENT	2	0.28	56	1	100	0.129	2.53	NHEL
102B	CLARION LOAM, MOD. FINE SUB., 2 TO 5 PERCENT	5	0.24	48	3	125	0.307	2.06	NHEL
104B	HAYDEN LOAM, 2 TO 6 PERCENT	5	0.32	56	4	130	0.444	3.98	NHEL
104C2	HAYDEN LOAM, 6 TO 12 PERCENT, ERODED	5	0.32	56	8	130	1.130	10.13	HEL
104D2	HAYDEN LOAM, 12 TO 18 PERCENT, ERODED	5	0.32	56	14	125	2.565	22.98	HEL
104E	HAYDEN LOAM, 18 TO 25 PERCENT	5	0.32	56	22	100	4.770	42.74	HEL
106C2	LESTER LOAM, 6 TO 12 PERCENT, ERODED	5	0.28	48	8	125	1.108	8.69	HEL
106D2	LESTER LOAM, 12 TO 18 PERCENT, ERODED	5	0.28	48	14	125	2.565	20.11	HEL
106E	LESTER LOAM, 18 TO 25 PERCENT	5	0.28	48	22	100	4.770	37.40	HEL
109	CORDOVA CLAY LOAM, 0 TO 2 PERCENT	5	0.28	48	1	200	0.159	1.24	NHEL
113	WEBSTER CLAY LOAM, 0 TO 2 PERCENT	5	0.24	48	1	300	0.179	1.20	NHEL
114	GLENCOE CLAY LOAM, DEPRESSATIONAL, 0 TO 1 PERCENT	5	0.28	48	1	300	0.179	1.20	NHEL
130	NICOLLET CLAY LOAM, 1 TO 3 PERCENT	5	0.24	48	2	150	0.227	1.52	NHEL
134	OKOBONI SILTY CLAY LOAM, DEPRESSATIONAL, 0 TO 1 PERCENT	5	0.28	86	1	300	0.179	1.41	NHEL
138B	LERDAL CLAY LOAM, 2 TO 6 PERCENT	5	0.37	48	4	130	0.444	4.60	PHEL**
138C	LERDAL CLAY LOAM, 6 TO 12 PERCENT	5	0.37	48	8	130	1.130	11.71	HEL
176	GARWIN SILT LOAM, 0 TO 2 PERCENT	5	0.28	48	1	200	0.159	1.24	NHEL
208	KATO SILTY CLAY LOAM, 0 TO 1 PERCENT	4	0.28	38	1	300	0.179	1.76	NHEL
213B	KLINGER SILTY CLAY LOAM, 1 TO 4 PERCENT	5	0.28	38	2	225	0.256	2.01	NHEL
219	ROLFE SILT LOAM, DEPRESSATIONAL, 0 TO 1 PERCENT	5	0.37	48	1	125	0.138	1.43	NHEL
238B	KILKENNY LOAM, 2 TO 6 PERCENT	5	0.28	48	4	150	0.470	4.21	NHEL
238C2	KILKENNY CLAY LOAM, 6 TO 12 PERCENT, ERODED	5	0.28	48	8	130	1.130	10.13	HEL
238D2	KILKENNY CLAY LOAM, 12 TO 18 PERCENT, ERODED	5	0.28	48	14	120	2.513	22.52	HEL
238E	KILKENNY CLAY LOAM, 18 TO 25 PERCENT	5	0.28	48	22	100	4.770	42.74	HEL
238F	KILKENNY LOAM, 25 TO 35 PERCENT	5	0.28	48	30	100	7.953	71.26	HEL
239	LE SUEUR CLAY LOAM, 1 TO 3 PERCENT	5	0.24	48	2	300	0.279	1.88	NHEL
253	MAXCREEK SILTY CLAY LOAM, 0 TO 1 PERCENT	5	0.28	38	1	300	0.179	1.41	NHEL
256	MAZASKA CLAY LOAM, 0 TO 2 PERCENT	5	0.32	86	1	250	0.170	1.52	NHEL
285A	PORT BYRON SILT LOAM, 0 TO 2 PERCENT	5	0.32	48	1	200	0.159	1.42	NHEL
285B	PORT BYRON SILT LOAM, 2 TO 6 PERCENT	5	0.32	48	4	200	0.528	4.73	NHEL
301B	LINDSTROM SILT LOAM, 2 TO 6 PERCENT	5	0.28	56	4	125	0.437	3.43	NHEL
301C	LINDSTROM SILT LOAM, 6 TO 12 PERCENT	5	0.28	56	8	200	1.402	10.99	HEL

UNIT SYMBOL	MAP UNIT NAME	T	K	I	SLOPE PERCENT	SLOPE LENGTH	LS	EI	HELC
307	SARGEANT SILT LOAM, 0 TO 2 PERCENT	5	0.37	48	1	250	0.170	1.76	NHEL
323	SHIELDS SILTY CLAY LOAM, 0 TO 2 PERCENT	5	0.43	86	1	150	0.146	1.75	NHEL
376B	MOLAND SILT LOAM, 1 TO 4 PERCENT	5	0.32	48	3	150	0.324	2.90	NHEL
377	MERTON SILT LOAM, 1 TO 3 PERCENT	5	0.32	48	2	225	0.256	2.29	NHEL
378	MAXFIELD SILTY CLAY LOAM, 0 TO 2 PERCENT	5	0.28	38	1	300	0.179	1.41	NHEL
382B	BLOOMING SILT LOAM, 2 TO 6 PERCENT	5	0.32	48	4	150	0.470	4.21	NHEL
382C2	BLOOMING SILT LOAM, 6 TO 12 PERCENT, ERODED	5	0.32	48	8	130	1.130	10.13	HEL
392	BISCAY LOAM, 0 TO 2 PERCENT	4	0.28	48	1	200	0.159	1.56	NHEL
408	FAXON CLAY LOAM, 0 TO 1 PERCENT	4	0.28	48	1	200	0.159	1.56	NHEL
411A	WAUKEGAN SILT LOAM, 0 TO 2 PERCENT	4	0.32	48	1	200	0.159	1.78	NHEL
411B	WAUKEGAN SILT LOAM, 2 TO 6 PERCENT	4	0.32	48	4	200	0.528	5.91	PHEL**
414	HAMEL LOAM, 1 TO 3 PERCENT	5	0.28	48	2	200	0.247	1.94	NHEL
463A	MINNEISKA FINE SANDY LOAM, 0 TO 2 PERCENT, OCC. FL.	5	0.28	86	1	250	0.170	1.33	NHEL
484D	EYOTA FINE SANDY LOAM, 12 TO 18 PERCENT	5	0.2	86	15	130	2.918	16.34	HEL
523	HOUGHTON MUCK, DEPRESSATIONAL 0 TO 1 PERCENT	5	-	134	1	200	0.159	0.00	NHEL
525	MUSKEGO MUCK, DEPRESSATIONAL, 0 TO 1 PERCENT	4	-	134	1	200	0.159	0.00	NHEL
528B	KLOSSNER MUCK, SEEP LAND, 1 TO 6 PERCENT	5	-	134	3	200	0.353	0.00	NHEL
529A	RIPON SILT LOAM, 0 TO 2 PERCENT	4	0.32	56	1	200	0.159	1.78	PHEL**
529B	RIPON SILT LOAM, 2 TO 6 PERCENT	4	0.32	56	4	200	0.528	5.91	PHEL**
548	MEDO MUCK, DEPRESSATIONAL, 0 TO 1 PERCENT	5	-	134	1	200	0.159	0.00	NHEL
572	LOWLEIN SANDY LOAM, 1 TO 5 PERCENT	5	0.28	86	3	150	0.324	2.54	NHEL
611D	HAWICK SANDY LOAM, 12 TO 25 PERCENT	2	0.2	86	22	100	4.770	66.78	HEL
757	NERWOODS LOAM, 2 TO 6 PERCENT	5	0.28	48	4	225	0.553	4.34	NHEL
761	EPSOM SILTY CLAY LOAM, 0 TO 2 PERCENT, FREQ. FL.	5	0.28	38	1	200	0.159	1.24	NHEL
764	KLOSSNER MUCK, 0 TO 1 PERCENT, FLOODED	5	-	134	1	200	0.159	0.00	NHEL
783C2	LESTER-KILKENNY COMPLEX, 6 TO 12 PERCENT, ERODED	5	0.32	48	8	130	1.130	10.13	HEL
783D2	LESTER-KILKENNY COMPLEX, 12 TO 18 PERCENT, ERODED	5	0.32	48	14	120	2.513	22.52	HEL
783E	LESTER-KILKENNY COMPLEX, 18 TO 25 PERCENT	5	0.32	48	22	100	4.770	42.74	HEL
783F	LESTER-KILKENNY COMPLEX, 25 TO 35 PERCENT	5	0.32	48	30	100	7.953	71.26	HEL
849B	URBAN LAND-ESTHERVILLE COMPLEX, 1 TO 6 PERCENT	3	0.2	86	4	150	0.470	4.39	PHEL**
860C	URBAN LAND-HAYDEN COMPLEX, 6 TO 15 PERCENT	5	0.32	56	8	130	1.130	10.13	HEL
875B	HAWICK-ESTHERVILLE COMPLEX, 2 TO 6 PERCENT	2	0.2	86	4	150	0.470	6.58	PHEL**
875C	HAWICK -ESTHERVILLE COMPLEX, 6 TO 12 PERCENT	2	0.2	86	8	125	1.108	15.52	HEL
945C2	LESTER-STORDEN COMPLEX, 6 TO 12 PERCENT, ERODED	5	0.28	86	8	125	1.108	8.69	HEL
945D2	LESTER-STORDEN COMPLEX, 12 TO 18 PERCENT, ERODED	5	0.28	86	14	100	2.294	17.99	HEL
963C2	TIMULA-BOLD COMPLEX, 6 TO 12 PERCENT, ERODED	5	0.37	86	8	125	1.108	11.48	HEL
1013	PITS, QUARRY	-	-	-	-	-	-	-	-
1016	UDORTHENTS, LOAMY (CUT AND FILL)	5	0.24	3	1	130	0.15	0.000	NHEL
1030	PITS, GRAVEL-UDIPSAMMENTS COMPLEX	-	-	-	-	-	-	-	-
1058	HOUGHTON AND MUSKEGO SOILS, PONDED, 0 TO 1 PERCENT	4	-	134	1	200	0.159	0.00	NHEL
1080	KLOSSNER, OKOBONI, & GLENCOE SOILS, PD. 0 TO 1 PERCENT	5	-	134	1	200	0.159	0.00	NHEL
1116F	BRODALE-EYOTA COMPLEX, 12 TO 35 PERCENT	5	0.2	134	30	100	7.953	44.54	HEL
1286	PRINSBURG SILTY CLAY LOAM, 0 TO 2 PERCENT	5	0.32	86	1	200	0.159	1.42	NHEL
1356	WATER, MISCELLANEOUS	-	-	-	-	-	-	-	-
1360	RUSHRIVER FINE SANDY LOAM, 0 TO 1 PERCENT, FREQ. FL.	5	0.2	86	1	200	0.159	0.89	NHEL
1361	LE SUEUR LOAM, MOD. CO. SUB., 1 TO 3 PERCENT	5	0.28	48	2	300	0.279	2.19	NHEL
1362B	ANGUS LOAM, 2 TO 5 PERCENT	5	0.28	48	4	125	0.437	3.43	NHEL
1363	DUNDAS SILT LOAM, MOD. CO. SUB., 0 TO 2 PERCENT	5	0.28	48	1	200	0.159	1.42	NHEL
1366	TALCOT SILTY CLAY LOAM, 0 TO 1 PERCENT	5	0.32	86	1	200	0.159	1.42	NHEL
1367	DERRYNANE CLAY LOAM, 1 TO 3 PERCENT	5	0.32	86	1	200	0.159	1.42	NHEL
1387A	COLLINWOOD SILTY CLAY LOAM, MOD. WET, 0 TO 3 PERCENT	5	0.37	86	2	150	0.227	2.35	NHEL
1388B	TERRIL LOAM, MOD. WET, 2 TO 6 PERCENT	5	0.24	48	4	150	0.470	3.69	NHEL
1408B	ANGUS-KILKENNY COMPLEX, 2 TO 6 PERCENT	5	0.32	48	4	150	0.470	4.21	PHEL**
1409A	KENYON SILT LOAM, MOD. WET, 0 TO 3 PERCENT	5	0.32	48	2	225	0.256	2.29	NHEL
1409B	KENYON SILT LOAM, MOD. WET, 3 TO 6 PERCENT	5	0.32	48	4	150	0.470	4.21	NHEL
1410B	RACINE SILT LOAM, MOD. WET, 2 TO 6 PERCENT	5	0.37	48	4	200	0.528	5.47	PHEL**
1410C	RACINE SILT LOAM, MOD. WET, 6 TO 12 PERCENT, ERODED	5	0.37	48	8	125	1.108	11.48	HEL

UNIT SYMBOL	MAP UNIT NAME	T	K	I	SLOPE PERCENT	SLOPE LENGTH	LS	EI	HELC
1411B	URBAN LAND-HAYDEN-ESTHERVILLE COMPLEX, 1 TO 6 PERCENT	3	0.32	86	4	150	0.470	7.02	PHEL**
1413B	LITTLETON SILT LOAM, TILL SUB., 1 TO 4 PERCENT	5	0.28	48	2	200	0.247	1.94	NHEL
1416C	RENOVA LOAM, MOD. WET, 6 TO 12 PERCENT	5	0.32	48	8	125	1.108	9.93	HEL
1437B	RENOVA SILT LOAM, MOD. WET, 2 TO 6 PERCENT	5	0.32	48	4	200	0.528	4.73	PHEL**
1501	KLOSSNER MK. SILTY CLAY LOAM, OVERWA., 0 TO 1 PERCENT	5	0.28	86	1	200	0.159	1.24	NHEL
1831	COLO SILT LOAM, CHANNELED, 0 TO 2 PERCENT, FREQ. FL.	5	0.24	48	1	200	0.159	1.07	NHEL
1962	MAZASKA-ROLFE COMPLEX, 0 TO 2 PERCENT	5	0.37	86	1	125	0.138	1.43	NHEL

SEE FROZEN LIST BELOW for use with old maps!

FROZEN HIGHLY ERODIBLE SOIL MAP UNIT LIST FOR
 RICE COUNTY
 C = .10 R = 140

APRIL 18, 1993

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME	T	K	I	TYPICAL SLOPE PERCENT	TYPICAL SLOPE LENGTH	LS FACTOR	HELC CATEGORY
IA0277	AD	ALLUVIAL LAND	5	0.2	86	1	400	0.20	NHEL
MN0287	AF	ALLUVIAL LAND, FREQUENTLY FLOODED	5	0.28	56	1	200	0.69	NHEL
MN0110	BC	BISCAY LOAM	4	0.28	48	1	200	0.16	NHEL
MN0456	BK	BISCAY LOAM, SEEPY VARIANT	4	0.28	48	6	100	0.67	PHEL**
WI0109	BOC	BOONE FINE SAND, 2 TO 12 PERCENT SLOPES	4	0.15	310	8	100	0.99	PHEL
WI0109	BOD	BOONE FINE SAND, 12 TO 25 PERCENT SLOPES	4	0.15	310	14	125	2.56	HEL
WI0109	BOF	BOONE FINE SAND, 25 TO 40 PERCENT SLOPES	4	0.15	310	36	100	10.7	HEL
MN0095	CA	CANISTEO CLAY LOAM	5	0.24	86	1	200	0.16	NHEL
MN0095	CD	CANISTEO CLAY LOAM, DEPRESSATIONAL	5	0.24	86	1	100	0.13	NHEL
MN0023	CK	CARON MUCK	5	-	134	1	200	0.16	
IA0074	CLB	CLARION LOAM, 2 TO 6 PERCENT SLOPES	5	0.24	48	4	125	0.44	NHEL
IA0074	CLC	CLARION LOAM, 6 TO 12 PERCENT SLOPES	5	0.24	48	8	128	1.12	PHEL*
IA0421	CNC2	CLARION-ESTHERVILLE-STORDEN COMPLEX, 4 TO 12 PERCENT SLOPES, ERODED***	4	0.24	56	8	125	1.11	PHEL*
MN0025	CNC2	CLARION-ESTHERVILLE-STORDEN COMPLEX, 4 TO 12 PERCENT SLOPES, ERODED***	3	0.2	86	8	125	1.11	PHEL*
MN0063	CNC2	CLARION-ESTHERVILLE-STORDEN COMPLEX, 4 TO 12 PERCENT SLOPES, ERODED***	5	0.28	86	8	125	1.11	PHEL*
IA0074	CSC	CLARION-STORDEN LOAMS, 6 TO 12 PERCENT SLOPES***	5	0.24	48	8	125	1.11	PHEL*
MN0063	CSC	CLARION-STORDEN LOAMS, 6 TO 12 PERCENT SLOPES***	5	0.28	86	8	125	1.11	PHEL*
IA0074	CSD	CLARION-STORDEN LOAMS, 12 TO 18 PERCENT SLOPES***	5	0.24	48	14	100	2.29	HEL
MN0063	CSD	CLARION-STORDEN LOAMS, 12 TO 18 PERCENT SLOPES***	5	0.28	86	14	100	2.29	HEL
IA0074	CSE	CLARION-STORDEN LOAMS, 18 TO 25 PERCENT SLOPES***	5	0.24	48	22	100	4.77	HEL
MN0063	CSE	CLARION-STORDEN LOAMS, 18 TO 25 PERCENT SLOPES***	5	0.28	86	22	100	4.77	HEL
IA0071	CT	COLO SILTY CLAY LOAM	5	0.28	38	1	300	0.18	NHEL
MN0058	CVA	COPASTON SANDY CLAY LOAM, 0 TO 2 PERCENT SLOPES	2	0.28	56	1	100	0.13	NHEL
MN0024	CY	CORDOVA CLAY LOAM	5	0.28	48	1	200	0.16	NHEL
MN0105	DCA	DICKMAN SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	0.2	86	1	100	0.13	NHEL
MN0105	DCB	DICKMAN SANDY LOAM, 2 TO 6 PERCENT SLOPES	3	0.2	86	4	150	0.47	NHEL
MN0105	DCC	DICKMAN SANDY LOAM, 6 TO 12 PERCENT SLOPES	3	0.2	86	8	125	1.11	PHEL*
MN0105	DKA	DICKMAN SANDY LOAM, BENCHES, 0 TO 2 PERCENT SLOPES	3	0.2	86	1	150	0.15	NHEL
MN0105	DKB	DICKMAN SANDY LOAM, BENCHES, 2 TO 6 PERCENT SLOPES	3	0.2	86	4	150	0.47	NHEL
WI0184	DOB	DODGEVILLE SILT LOAM, 2 TO 6 PERCENT SLOPES	4	0.28	56	4	200	0.53	NHEL
WI0184	DOC	DODGEVILLE SILT LOAM, 6 TO 12 PERCENT SLOPES	4	0.28	56	8	150	1.21	HEL
WI0184	DOD	DODGEVILLE SILT LOAM, 12 TO 18 PERCENT SLOPES	4	0.28	56	14	150	2.81	HEL
WI0184	DOE	DODGEVILLE SILT LOAM, 18 TO 25 PERCENT SLOPES	4	0.28	56	22	100	4.77	HEL
MN0211	DU	DUNDAS SILT LOAM	5	0.28	48	1	200	0.16	NHEL
MN0264	ERB	ERIN SILT LOAM, 2 TO 6 PERCENT SLOPES	5	0.37	48	4	150	0.47	PHEL**
MN0264	ERC2	ERIN SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED	5	0.37	48	8	150	1.21	HEL
MN0264	ERD2	ERIN SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED	5	0.37	48	14	150	2.81	HEL
MN0264	ERE	ERIN SILT LOAM, 18 TO 30 PERCENT SLOPES	5	0.37	48	22	150	5.84	HEL
MN0025	ESA	ESTHERVILLE SANDY LOAM, 0 TO 2 PERCENT SLOPES	3	0.2	86	1	300	0.18	NHEL
MN0025	ESB	ESTHERVILLE SANDY LOAM, 2 TO 6 PERCENT SLOPES	3	0.2	86	4	150	0.47	NHEL
MN0025	ESC	ESTHERVILLE SANDY LOAM, 6 TO 12 PERCENT SLOPES	3	0.2	86	8	100	0.99	PHEL*
MN0243	ETB	ETTER FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES	3	0.2	86	4	125	0.44	NHEL
MN0243	ETC	ETTER FINE SANDY LOAM, 6 TO 15 PERCENT SLOPES	4	0.2	86	8	130	1.13	PHEL*
MN0194	FAA	FAIRHAVEN SILT LOAM, 0 TO 2 PERCENT SLOPES	4	0.32	48	1	200	0.16	NHEL
MN0194	FAB	FAIRHAVEN SILT LOAM, 2 TO 6 PERCENT SLOPES	4	0.32	48	4	150	0.47	PHEL**
MN0457	FLA	FAIRHAVEN SILT LOAM, LOAMY SUBSOIL VARIANT, 0 TO 2 PERCENT SLOPES	4	0.28	48	1	300	0.18	NHEL
MN0457	FLB	FAIRHAVEN SILT LOAM, LOAMY SUBSOIL VARIANT, 2 TO 6 PERCENT SLOPES	5	0.28	48	4	125	0.44	PHEL**
MN0082	FX	FAXON CLAY LOAM	4	0.28	48	1	200	0.16	NHEL

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME				TYPICAL SLOPE PERCENT	TYPICAL SLOPE LENGTH	LS FACTOR	HELC CATEGORY
			T	K	I				
IA0037	GA	GARWIN SILTY CLAY LOAM	5	0.28	38	1	200	0.16	NHEL
MN0026	GC	GLENCOE CLAY LOAM	5	0.28	48	1	300	0.18	NHEL
MN0060	HAB	HAYDEN LOAM, 2 TO 6 PERCENT SLOPES	5	0.32	56	4	130	0.44	NHEL
MN0060	HAC	HAYDEN LOAM, 6 TO 12 PERCENT SLOPES	5	0.32	56	8	130	1.13	PHEL*
MN0060	HAD	HAYDEN LOAM, 12 TO 18 PERCENT SLOPES	5	0.32	56	14	125	2.57	HEL
MN0060	HAE	HAYDEN LOAM, 18 TO 30 PERCENT SLOPES	5	0.32	56	25	180	7.90	HEL
IA0018	JUC	JUDSON SILT LOAM, 4 TO 12 PERCENT SLOPES	3	0.28	48	8	150	1.21	PHEL
MN0225	KAA	KASSON SILT LOAM, 1 TO 3 PERCENT SLOPES	5	0.32	56	2	200	0.25	NHEL
MN0213	KE	KATO SILTY CLAY LOAM	4	0.28	38	1	300	0.18	NHEL
MN0071	KKB	KILKENNY CLAY LOAM, 2 TO 6 PERCENT SLOPES	5	0.28	48	4	150	0.47	NHEL
MN0071	KKC2	KILKENNY CLAY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	48	8	130	1.13	PHEL*
MN0071	KKD2	KILKENNY CLAY LOAM, 12 TO 18 PERCENT SLOPES, ERODED	5	0.28	48	14	100	2.29	HEL
MN0071	KKE	KILKENNY CLAY LOAM, 18 TO 25 PERCENT SLOPES	5	0.28	48	22	100	4.77	HEL
IA0064	KLA	KLINGER SILT LOAM, 1 TO 3 PERCENT SLOPES	5	0.28	48	2	225	0.26	NHEL
MN0088	LUA	LE SUEUR CLAY LOAM, 1 TO 3 PERCENT SLOPES	5	0.24	48	2	300	0.28	NHEL
MN0030	LEC2	LERDAL CLAY LOAM, 6 TO 12 PERCENT SLOPES, ERODED	3	0.37	48	8	130	1.13	HEL
MN0030	LED2	LERDAL CLAY LOAM, 12 TO 18 PERCENT SLOPES, ERODED	3	0.37	48	14	130	2.62	HEL
MN0030	LBB	LERDAL SILT LOAM, 1 TO 6 PERCENT SLOPES	3	0.37	48	4	130	0.44	PHEL
MN0061	LLB	LESTER LOAM, 2 TO 6 PERCENT SLOPES	5	0.28	48	4	125	0.44	NHEL
MN0061	LLC	LESTER LOAM, 6 TO 12 PERCENT SLOPES	5	0.28	48	8	125	1.11	PHEL*
MN0061	LLC2	LESTER LOAM, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	48	8	125	1.11	PHEL*
MN0061	LLD2	LESTER LOAM, 12 TO 18 PERCENT SLOPES, ERODED	5	0.28	48	14	125	0.86	HEL
MN0061	LLE	LESTER LOAM, 18 TO 25 PERCENT SLOPES	5	0.28	48	22	100	4.77	HEL
WI0045	MA	MARSH	5	-	-	1	200	0.16	NHEL
MN0151	MB	MAXCREEK SILTY CLAY LOAM	5	0.28	38	1	300	0.18	NHEL
MN0365	ME	MAXCREEK SILTY CLAY LOAM, SWALES	5	0.28	38	1	200	0.16	NHEL
IA0055	MF	MAXFIELD SILTY CLAY LOAM	5	0.28	38	1	300	0.18	NHEL
IA0424	MH	MAXFIELD SILTY CLAY LOAM, SWALES	5	0.28	38	1	200	0.16	NHEL
MN0272	MK	MAZASKA SILTY CLAY LOAM	5	0.28	86	1	250	0.17	NHEL
MN0198	MNA	MERTON SILT LOAM, 1 TO 3 PERCENT SLOPES	5	0.32	48	2	225	0.26	NHEL
MN0199	MOB	MOLAND SILT LOAM, 2 TO 6 PERCENT SLOPES	5	0.32	48	4	150	0.47	NHEL
MN0199	MOC	MOLAND SILT LOAM, 6 TO 12 PERCENT SLOPES	5	0.32	48	8	130	1.13	PHEL*
MN0199	MOD2	MOLAND SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED	5	0.32	48	14	100	2.29	HEL
WI0046	MU	MUSKEGO MUCK	4	-	134	1	200	0.16	NHEL
MN0034	NCA	NICOLLET CLAY LOAM, 1 TO 3 PERCENT SLOPES	5	0.24	48	2	150	0.23	NHEL
MN0113	OTB	OSTRANDE SILT LOAM, 2 TO 6 PERCENT SLOPES	5	0.28	48	4	125	0.44	NHEL
MN0113	OTC2	OSTRANDE SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED	5	0.28	48	8	150	1.21	PHEL*
MN0113	OSD2	OSTRANDE LOAM, 12 TO 18 PERCENT SLOPES, ERODED	5	0.28	48	14	100	2.29	HEL
MN0113	OSE2	OSTRANDE LOAM, 18 TO 30 PERCENT SLOPES, ERODED	5	0.28	48	25	125	6.59	HEL
MN0113	OUA	OSTRANDE SILT LOAM, BEDROCK SUBSTRATUM, 0 TO 2 PERCENT SLOPES	5	0.28	48	1	200	0.16	NHEL
MI0023	PA	PALMS MUCK	5	-	134	1	200	0.16	NHEL
IL0063	PBA	PORT BYRON SILT LOAM, 0 TO 2 PERCENT SLOPES	5	0.32	48	1	200	0.16	NHEL
IL0063	PBB	PORT BYRON SILT LOAM, 2 TO 6 PERCENT SLOPES	5	0.32	48	4	200	0.53	PHEL**
IL0063	PBC	PORT BYRON SILT LOAM, 6 TO 12 PERCENT SLOPES	5	0.32	48	8	125	1.11	PHEL*
IL0063	PBD	PORT BYRON SILT LOAM, 12 TO 18 PERCENT SLOPES	5	0.32	48	14	125	2.57	HEL
IL0063	POC	PORT BYRON-BOLD SILT LOAMS, 6 TO 12 PERCENT SLOPES***	5	0.32	48	8	130	1.13	HEL
IL0131	POC	PORT BYRON-BOLD SILT LOAMS, 6 TO 12 PERCENT SLOPES***	5	0.43	86	8	130	1.13	HEL
IL0063	POD	PORT BYRON-BOLD SILT LOAMS, 12 TO 18 PERCENT SLOPES***	5	0.32	48	14	125	2.57	HEL***
IL0131	POD	PORT BYRON-BOLD SILT LOAMS, 12 TO 18 PERCENT SLOPES***	5	0.43	86	14	125	2.57	HEL***
MN0111	RNB	RENOVA SILT LOAM, 2 TO 6 PERCENT SLOPES	5	0.37	48	4	200	0.53	PHEL*
MN0111	RNC	RENOVA SILT LOAM, 6 TO 12 PERCENT SLOPES	5	0.37	48	8	125	1.11	HEL
MN0111	RND2	RENOVA SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED	5	0.37	48	14	100	2.29	HEL
MN0111	RNE	RENOVA SILT LOAM, 18 TO 30 PERCENT SLOPES	5	0.37	48	25	100	5.89	HEL
IA0159	RO	ROLFE SILTY CLAY LOAM	3	0.37	38	1	125	0.14	NHEL
MN0235	RU	ROUGH BROKEN LAND	5	0.17	-	50	100	17.8	HEL
MN0062	SAC	SALIDA GRAVELLY SANDY LOAM, 4 TO 12 PERCENT SLOPES	3	0.1	-	8	125	1.11	PHEL**

RECORD NUMBER	MAP UNIT SYMBOL	MAP UNIT NAME				TYPICAL SLOPE PERCENT	TYPICAL SLOPE LENGTH	LS FACTOR	HELC CATEGORY
			T	K	I				
MN0062	SAD	SALIDA GRAVELLY SANDY LOAM, 12 TO 30 PERCENT SLOPES	3	0.1	-	25	100	5.89	HEL
MN0091	SH	SHIELDS SILT LOAM	3	0.37	48	2	150	0.23	NHEL
MN0164	SK	SKYBERG SILT LOAM	5	0.37	48	1	250	0.17	NHEL
KS0087	SOE	SOGN STONY LOAM, 18 TO 35 PERCENT SLOPES	1	0.32	86	25	100	5.89	HEL
IA0165	TEB	TERRIL LOAM, 1 TO 6 PERCENT SLOPES	5	0.24	56	4	150	0.47	NHEL
IA0165	TEC	TERRIL LOAM, 6 TO 12 PERCENT SLOPES	5	0.24	48	8	200	1.40	PHEL*
MN0207	VIA	VLASATY SILT LOAM, 1 TO 4 PERCENT SLOPES	5	0.37	56	3	200	0.39	NHEL
MN0129	WAA	WAUKEGAN SILT LOAM, 0 TO 2 PERCENT SLOPES	4	0.32	48	1	200	0.16	NHEL
MN0129	WAB	WAUKEGAN SILT LOAM, 2 TO 6 PERCENT SLOPES	4	0.32	48	4	200	0.53	PHEL**
IA0072	WE	WEBSTER CLAY LOAM	5	0.24	48	2	300	0.28	NHEL
MN0210	ZU	ZUMBRO SANDY LOAM	5	0.17	86	1	200	0.16	NHEL

HIGHLY ERODIBLE LAND CLASSIFICATION

NHEL = NOT HIGHLY ERODIBLE LAND

PHEL = POTENTIALLY HIGHLY ERODIBLE LAND AND REQUIRES A FIELD VISIT TO DETERMINE A REPRESENTATIVE SLOPE PERCENT AND LENGTH FOR FSA PURPOSES.

HEL = HIGHLY ERODIBLE LAND

* THESE PHEL MAP UNITS ARE CONSIDERED HEL BASED ON TYPICAL SLOPE PERCENTAGE AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

** THESE PHEL MAP UNITS ARE CONSIDERED NHEL BASED ON TYPICAL SLOPE PERCENTAGES AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

*** USE THE MOST LIMITING SOIL IN THE COMPLEX TO DETERMINE THE RATING. ONLY ONE RATING IS GIVEN FOR A COMPLEX.

HELC FOR WIND EROSION IS BASED ON THE C X I DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.

HELC FOR WATER EROSION IS BASED ON THE R X K X LS DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.